

FILED

IN THE UNITED STATES DISTRICT COURT  
FOR THE EASTERN DISTRICT OF VIRGINIA

AUTOMATED TRACKING SOLUTIONS, LLC,

Plaintiff,

v.

EKAHAU, INC.,

Defendant.

2014 DEC 22 P 2:18

CLERK US DISTRICT COURT  
ALEXANDRIA, VIRGINIA

Civil Action No. 14-cv-1759  
(AJT/TCB)  
JURY TRIAL DEMANDED

**COMPLAINT FOR PATENT INFRINGEMENT**

Plaintiff Automated Tracking Solutions, LLC (“ATS” or “Plaintiff”), by way of  
Complaint against the above-named defendant (“Defendant”), alleges the following:

**NATURE OF THE ACTION**

1. This is an action for patent infringement arising under the Patent Laws of the  
United States, 35 U.S.C. § 1 *et seq.*

**THE PARTIES**

2. Plaintiff ATS is a limited liability company organized under the laws of the State  
of Delaware with its principal place of business at 8500 Fort Hunt Rd., Alexandria, VA 22308.

3. Defendant Ekahau, Inc. is a corporation organized under the laws of the State of  
Delaware with its principal place of business at 1851 Alexander Bell Drive, Suite 105, Reston,  
VA 20191, and a registered agent for service of process at Corporation Service Company, 2711  
Centerville Road, Suite 400, Wilmington, Delaware, 19808.

**JURISDICTION AND VENUE**

4. This is an action for patent infringement arising under the Patent Laws of the  
United States, Title 35 of the United States Code.

5. This Court has subject matter jurisdiction under 28 U.S.C. §§ 1331 and 1338.

6. On information and belief, Defendant is subject to the jurisdiction of this Court by virtue of the fact that it maintains a principal place of business in this Commonwealth. As such, Defendant has purposefully availed itself of the privilege of conducting business within this Judicial District; has established sufficient minimum contacts with this Judicial District such that it should reasonably and fairly anticipate being haled into court in this Judicial District; has purposefully directed activities at residents of this Commonwealth; and at least a portion of the patent infringement claims alleged herein arise out of or are related to one or more of the foregoing activities.

7. Venue is proper in this judicial district under 28 U.S.C. §§ 1391(c) and 1400(b).

#### **FACTUAL BACKGROUND**

8. Inventory control was conventionally performed primarily by hand or not at all. As a result, organizations often faced significant shrinkage of inventory and increased labor costs as employees searched for missing items.

9. Dr. Fred H. Sawyer initially founded F.H.S. Systems Engineering & Technical Services, Ltd. to develop and integrate new RFID technology into these manual processes. In 2005, Dr. Sawyer founded Automated Tracking Solutions Incorporated, which became ATS, when Adam S. Malamut, Scott D. Liebling and Ronald L. Dubrow joined on August 14, 2007, to continue the development and integration of RFID technology.

10. Dr. Sawyer has been a resident of Alexandria, Virginia, since 1984. He was born and grew up in Norfolk, Virginia and attended college at Virginia State University, obtaining a degree in Physics in 1962. Dr. Sawyer also obtained a doctorate in Operations Research in 1977 from the George Washington University with a concentration in queueing theory, and a master's

degree in Electrical Engineering in 1987 from Penn State University. He is the majority owner of ATS.

11. Dr. Sawyer invented processes and systems that permit identification, tracking, location, and/or surveillance of tagged objects anywhere in a facility or area. As part of his work at ATS, Dr. Sawyer designed and built an operable system for performing these functions.

12. Dr. Sawyer filed for patents to protect these inventions at the United States Patent and Trademark Office (“USPTO”).

13. Dr. Sawyer is the sole named inventor in United States Patent Nos. 6,933,849, 7,551,089, 7,834,765, 7,834,766, 8,279,069, 8,742,929, 8,842,013, 8,866,615, and 8,896,449 (collectively the “Patents-in-Suit”) and has assigned the Patents-in-Suit to ATS.

#### **THE PATENTS-IN-SUIT**

14. The allegations set forth in the foregoing paragraphs 1 through 13 are hereby realleged and incorporated herein by reference.

15. On August 23, 2005, United States Patent No. 6,933,849 (“the ’849 Patent”) entitled “Method and apparatus for tracking objects and people” was duly and legally issued by the United States Patent and Trademark Office. A true and correct copy of the ’849 Patent is attached as Exhibit A to this Complaint.

16. On June 23, 2009, United States Patent No. 7,551,089 (“the ’089 Patent”) entitled “Method and apparatus for tracking objects and people” was duly and legally issued by the United States Patent and Trademark Office. A true and correct copy of the ’089 Patent is attached as Exhibit B to this Complaint.

17. On November 16, 2010, United States Patent No. 7,834,765 (“the ’765 Patent”) entitled “Method and apparatus for tracking objects and people” was duly and legally issued by

the United States Patent and Trademark Office. A true and correct copy of the '765 Patent is attached as Exhibit C to this Complaint.

18. On November 16, 2010, United States Patent No. 7,834,766 ("the '766 Patent") entitled "Method and apparatus for tracking objects and people" was duly and legally issued by the United States Patent and Trademark Office. A true and correct copy of the '766 Patent is attached as Exhibit D to this Complaint.

19. On October 2, 2012, United States Patent No. 8,279,069 ("the '069 Patent") entitled "Method and apparatus for tracking objects and people" was duly and legally issued by the United States Patent and Trademark Office. A true and correct copy of the '069 Patent is attached as Exhibit E to this Complaint.

20. On June 3, 2014, United States Patent No. 8,742,929 ("the '929 Patent") entitled "Method and apparatus for tracking objects and people" was duly and legally issued by the United States Patent and Trademark Office. A true and correct copy of the '929 Patent is attached as Exhibit F to this Complaint.

21. On September 23, 2014, United States Patent No. 8,842,013 ("the '013 Patent") entitled "Method and apparatus for tracking objects and people" was duly and legally issued by the United States Patent and Trademark Office. A true and correct copy of the '013 Patent is attached as Exhibit G to this Complaint.

22. On October 21, 2014, United States Patent No. 8,866,615 ("the '615 Patent") entitled "Method and apparatus for tracking objects and people" was duly and legally issued by the United States Patent and Trademark Office. A true and correct copy of the '615 Patent is attached as Exhibit H to this Complaint.

23. On November 25, 2014, United States Patent No. 8,896,449 (“the ‘449 Patent”) entitled “Method and apparatus for tracking objects and people” was duly and legally issued by the United States Patent and Trademark Office. A true and correct copy of the ‘449 Patent is attached as Exhibit I to this Complaint.

24. ATS is the assignee and owner of the right, title and interest in and to the ‘849 Patent, ‘089 Patent, ‘765 Patent, ‘766 Patent, ‘069 Patent, ‘929 Patent, ‘013 Patent, ‘615 Patent, and ‘449 Patent, including the right to assert all causes of action arising under said patents and the right to any remedies for infringement of them.

**COUNT I – INFRINGEMENT OF U.S. PATENT No. 6,933,849**

25. The allegations set forth in the foregoing paragraphs 1 through 24 are hereby realleged and incorporated herein by reference.

26. In violation of 35 U.S.C. § 271(a), Defendant has directly infringed and continues to directly infringe, both literally and under the doctrine of equivalents, the ‘849 Patent by making, using, offering for sale, selling, and/or importing systems that practice the subject matter claimed in one or more claims of the ‘849 Patent (the “‘849 Patent Accused Products”), including but not limited to claim 1, in the United States without the authority of ATS. For example, Defendant has directly infringed the ‘849 Patent by the Ekahau Real Time Location System, which uses transponders and radio signals, including Wi-Fi, to locate and track objects and people.

27. Pursuant to 35 U.S.C. § 287, the filing of this action constitutes notice to Defendant of its infringement of the ‘849 Patent. ATS has been harmed by Defendant’s infringing activities.

**COUNT II – INFRINGEMENT OF U.S. PATENT No. 7,551,089**

28. The allegations set forth in the foregoing paragraphs 1 through 24 are hereby realleged and incorporated herein by reference.

29. In violation of 35 U.S.C. § 271(a), Defendant has directly infringed and continues to directly infringe, both literally and under the doctrine of equivalents, the '089 Patent by making, using, offering for sale, selling, and/or importing systems that practice the subject matter claimed in one or more claims of the '089 Patent (the "'089 Patent Accused Products"), including but not limited to claim 49, in the United States without the authority of ATS. For example, Defendant has directly infringed the '089 Patent by the Ekahau Real Time Location System, which uses transponders and radio signals, including Wi-Fi, to locate and track objects and people.

30. Pursuant to 35 U.S.C. § 287, the filing of this action constitutes notice to Defendant of its infringement of the '089 Patent. ATS has been harmed by Defendant's infringing activities.

**COUNT III – INFRINGEMENT OF U.S. PATENT No. 7,834,765**

31. The allegations set forth in the foregoing paragraphs 1 through 24 are hereby realleged and incorporated herein by reference.

32. In violation of 35 U.S.C. § 271(a), Defendant has directly infringed and continues to directly infringe, both literally and under the doctrine of equivalents, the '765 Patent by making, using, offering for sale, selling, and/or importing systems that practice the subject matter claimed in one or more claims of the '765 Patent (the "'765 Patent Accused Products"), including but not limited to claim 1, in the United States without the authority of ATS. For example, Defendant has directly infringed the '765 Patent by the Ekahau Real Time Location

System, which uses transponders and radio signals, including Wi-Fi, to locate and track objects and people.

33. Pursuant to 35 U.S.C. § 287, the filing of this action constitutes notice to Defendant of its infringement of the '765 Patent. ATS has been harmed by Defendant's infringing activities.

**COUNT IV – INFRINGEMENT OF U.S. PATENT No. 7,834,766**

34. The allegations set forth in the foregoing paragraphs 1 through 24 are hereby realleged and incorporated herein by reference.

35. In violation of 35 U.S.C. § 271(a), Defendant has directly infringed and continues to directly infringe, both literally and under the doctrine of equivalents, the '766 Patent by making, using, offering for sale, selling, and/or importing systems that practice the subject matter claimed in one or more claims of the '766 Patent (the "'766 Patent Accused Products"), including but not limited to claim 1, in the United States without the authority of ATS. For example, Defendant has directly infringed the '766 Patent by the Ekahau Real Time Location System, which uses transponders and radio signals, including Wi-Fi, to locate and track objects and people.

36. Pursuant to 35 U.S.C. § 287, the filing of this action constitutes notice to Defendant of its infringement of the '766 Patent. ATS has been harmed by Defendant's infringing activities.

**COUNT V – INFRINGEMENT OF U.S. PATENT No. 8,279,069**

37. The allegations set forth in the foregoing paragraphs 1 through 24 are hereby realleged and incorporated herein by reference.

38. In violation of 35 U.S.C. § 271(a), Defendant has directly infringed and continues to directly infringe, both literally and under the doctrine of equivalents, the '069 Patent by making, using, offering for sale, selling, and/or importing systems that practice the subject matter claimed in one or more claims of the '069 Patent (the "'069 Patent Accused Products"), including but not limited to claim 1, in the United States without the authority of ATS. For example, Defendant has directly infringed the '069 Patent by the Ekahau Real Time Location System, which uses transponders and radio signals, including Wi-Fi, to locate and track objects and people.

39. Pursuant to 35 U.S.C. § 287, the filing of this action constitutes notice to Defendant of its infringement of the '069 Patent. ATS has been harmed by Defendant's infringing activities.

#### **COUNT VI – INFRINGEMENT OF U.S. PATENT No. 8,742,929**

40. The allegations set forth in the foregoing paragraphs 1 through 24 are hereby realleged and incorporated herein by reference.

41. In violation of 35 U.S.C. § 271(a), Defendant has directly infringed and continues to directly infringe, both literally and under the doctrine of equivalents, the '929 Patent by making, using, offering for sale, selling, and/or importing systems that practice the subject matter claimed in one or more claims of the '929 Patent (the "'929 Patent Accused Products"), including but not limited to claim 1, in the United States without the authority of ATS. For example, Defendant has directly infringed the '929 Patent by the Ekahau Real Time Location System, which uses transponders and radio signals, including Wi-Fi, to locate and track objects and people.

42. Pursuant to 35 U.S.C. § 287, the filing of this action constitutes notice to Defendant of its infringement of the '929 Patent. ATS has been harmed by Defendant's infringing activities.

**COUNT VII – INFRINGEMENT OF U.S. PATENT No. 8,842,013**

43. The allegations set forth in the foregoing paragraphs 1 through 24 are hereby realleged and incorporated herein by reference.

44. In violation of 35 U.S.C. § 271(a), Defendant has directly infringed and continues to directly infringe, both literally and under the doctrine of equivalents, the '013 Patent by making, using, offering for sale, selling, and/or importing systems that practice the subject matter claimed in one or more claims of the '013 Patent (the "'013 Patent Accused Products"), including but not limited to claim 1, in the United States without the authority of ATS. For example, Defendant has directly infringed the '013 Patent by the Ekahau Real Time Location System, which uses transponders and radio signals, including Wi-Fi, to locate and track objects and people.

45. Pursuant to 35 U.S.C. § 287, the filing of this action constitutes notice to Defendant of its infringement of the '013 Patent. ATS has been harmed by Defendant's infringing activities.

**COUNT VIII – INFRINGEMENT OF U.S. PATENT No. 8,866,615**

46. The allegations set forth in the foregoing paragraphs 1 through 24 are hereby realleged and incorporated herein by reference.

47. In violation of 35 U.S.C. § 271(a), Defendant has directly infringed and continues to directly infringe, both literally and under the doctrine of equivalents, the '615 Patent by making, using, offering for sale, selling, and/or importing systems that practice the subject matter

claimed in one or more claims of the '615 Patent (the "'615 Patent Accused Products"), including but not limited to claim 1, in the United States without the authority of ATS. For example, Defendant has directly infringed the '615 Patent by the Ekahau Real Time Location System, which uses transponders and radio signals, including Wi-Fi, to locate and track objects and people.

48. Pursuant to 35 U.S.C. § 287, the filing of this action constitutes notice to Defendant of its infringement of the '615 Patent. ATS has been harmed by Defendant's infringing activities.

**COUNT IX – INFRINGEMENT OF U.S. PATENT No. 8,896,449**

49. The allegations set forth in the foregoing paragraphs 1 through 24 are hereby realleged and incorporated herein by reference.

50. In violation of 35 U.S.C. § 271(a), Defendant has directly infringed and continues to directly infringe, both literally and under the doctrine of equivalents, the '449 Patent by making, using, offering for sale, selling, and/or importing systems that practice the subject matter claimed in one or more claims of the '449 Patent (the "'449 Patent Accused Products"), including but not limited to claim 1, in the United States without the authority of ATS. For example, Defendant has directly infringed the '449 Patent by the Ekahau Real Time Location System, which uses transponders and radio signals, including Wi-Fi, to locate and track objects and people.

51. Pursuant to 35 U.S.C. § 287, the filing of this action constitutes notice to Defendant of its infringement of the '449 Patent. ATS has been harmed by Defendant's infringing activities.

**JURY DEMAND**

ATS demands a trial by jury on all issues triable as such.

**PRAYER FOR RELIEF**

WHEREFORE, ATS respectfully requests that this Court enter judgment for ATS and against Defendant as follows:

- a. An adjudication that Defendant has infringed the Patents-in-Suit;
- b. An award of damages to be paid by Defendant adequate to compensate ATS for Defendant's past infringement of the Patents-in-Suit, and any continuing or future infringement through the date such judgment is entered, including interest, costs, expenses and an accounting of all infringing acts including, but not limited to, those acts not presented at trial;
- c. An order requiring Defendant to pay an ongoing royalty in an amount to be determined for any continued infringement after the date judgment is entered; and

For such further relief at law and in equity as the Court may deem just and proper.

Dated: December 22, 2014

  
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Cecil E. Key, Esq.  
Virginia Bar No. 41018  
**KEY IP LAW GROUP, PLLC**  
1934 Old Gallows Road, Suite 350  
Vienna, Virginia 22182  
Phone: (703) 752-6276  
Fax: (703) 752-6201  
Email: cecil@keyiplaw.com

Of Counsel:

Steven R. Daniels, Esq.  
Bryan Atkinson, Esq.  
Lois D. Mermelstein, Esq.  
**FARNEY DANIELS PC**  
800 S. Austin, Suite 200  
Georgetown, Texas 78626  
Phone: (512) 582-2828  
Fax: (512) 582-2829

*Attorneys for Plaintiff*  
*Automated Tracking Solutions, LLC*